In re U.S. Patent Application of Jens PETERSEN
Serial No.: 09/938,669 Filing Date: August 27, 2001
Title: POLYACRYLAMIDE HYDROGEL AS A SOFT TISSUE FILLER ENDOPROSTHESIS

AMENDMENT

The listing of claims will replace all prior versions, and listings of claims in the Application.

Please amend the claims as follows:

Listing of Claims:

1.-26. (cancelled)

27. (currently amended) A prosthetic device for soft tissue augmentation ~~comprising a polyacrylamide~~ consisting essentially of a hydrogel, said hydrogel ~~made by a method comprising combining acrylamide and methylene bis-acrylamide and washing with~~ comprising water or an aqueous solution ~~so as to give~~ and less than 3.5% by weight ~~polymer~~ polyacrylamide, based on the total weight of the hydrogel~~, and wherein the device is injectable into soft tissue~~.

28. (currently amended) The prosthetic device according to claim 27, wherein the hydrogel comprises at least 0.5% by weight ~~polymer~~ polyacrylamide, based on the total weight of the hydrogel.

29. (currently amended) The prosthetic device according to claim 27 comprising about 1.9 to 2.9% by weight ~~polymer~~ polyacrylamide, based on the total weight of the hydrogel.

30. (previously presented) The prosthetic device according claim 27, wherein the hydrogel comprises at least 95% by weight water or an aqueous solution based on the total weight of the hydrogel.

31. (previously presented) The prosthetic device according to claim 27, further comprising cells for cellular engraftment to the surrounding tissue.

32. (previously presented) The prosthetic device according to claim 31, wherein the cells are stem cells.

33. (currently amended) The prosthetic device according to claim 27, wherein the hydrogel comprises at least 1.5% by weight ~~polymer~~ polyacrylamide, based on the total weight of the hydrogel.

34. (previously presented) The prosthetic device according to claim 27 having a complex viscosity of about 2 to 100 Pas.

35. (previously presented) The prosthetic device according to claim 27 for at least one of cosmetic or reconstructive surgery of the face, body contouring, or augmentation or reconstructive surgery of the lips.

36. (previously presented) The prosthetic device according to claim 35 for cosmetic or reconstructive surgery of the face having a complex viscosity of about 2 to 20 Pas.

37. (previously presented) The prosthetic device according to claim 35 for body contouring having a complex viscosity of about 5 to 50 Pas.

38. (previously presented) The prosthetic device according to claim 35 for augmentation or reconstructive surgery of the lips having a complex viscosity of about 2 to 10 Pas.

39. (previously presented) The prosthetic device according to claim 27 for use in correction of facial contour deformities due to at least one of aging, acne, trauma, surgery, infection or congenital deformities.

40. (previously presented) The prosthetic device according to claim 39 wherein the correction of facial contour deformities is selected from the group consisting of a correction of the cheekbones, a correction of nasolabial folds, a correction of glabellar frowns, a correction of depressed contours of the mouth, a correction to the chin, a correction to size or shape of the lips, and a correction to other soft tissue deficiencies of the face.

41. (previously presented) The prosthetic device of claim 27 wherein the water is pyrogen-free.

42. (previously presented) The prosthetic device of claim 30 wherein the water is pyrogen-free.

43. (new) The prosthetic device of claim 27 wherein the hydrogel comprises less than 50 ppm monomeric units.

44. (new) The prosthetic device of claim 27 wherein the hydrogel comprises less than 40 ppm monomeric units.

45. (new) The prosthetic device of claim 27 wherein the hydrogel has an elasticity module of not less than 10 Pa.

46. (new) The prosthetic device of claim 27 wherein the hydrogel has an elasticity module of about 10 to 700 Pa.

47. (new) The prosthetic device of claim 27 wherein the hydrogel has an elasticity module of about 35 to 480 Pa.